

Title (en)
STABILIZED ENERGETIC WATER IN OIL EMULSION COMPOSITION

Title (de)
STABILISIERTE ENERGETISCHE WASSER-IN-ÖL EMULSIONSZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'EMULSION EAU DANS HUILE ENERGETIQUE STABILISEE

Publication
EP 1381582 A2 20040121 (EN)

Application
EP 01274509 A 20011101

Priority
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• US 24533900 P 20001102

Abstract (en)
[origin: WO03027046A2] A stabilized water-in-oil energetic emulsion composition comprising a an aqueous oxidizer phase comprising at least one oxygen supplying component b an organic phase comprising at least one organic fuel c an emulsifying amount of at least one emulsifying agent suitable for forming a water-in-oil emulsion and d an emulsion stabilizer comprising a hydrocarbon polymer, said hydrocarbon Mn ranging from about 2,000 to about 6,000, provided that said emulsion composition is essentially free of any polyvalent inorganic agent that is capable of cross-linking with the emulsifying agent or the emulsion stabilizer.
[origin: WO03027046A2] A stabilized water-in-oil energetic emulsion composition comprising a) an aqueous oxidizer phase comprising at least one oxygen supplying component; b) an organic phase comprising at least one organic fuel; c) an emulsifying amount of at least one emulsifying agent suitable for forming a water-in-oil emulsion; and d) an emulsion stabilizer comprising a hydrocarbon polymer, said hydrocarbon M<sb>n </sb>ranging from about 2,000 to about 6,000, provided that said emulsion composition is essentially free of any polyvalent inorganic agent that is capable of cross-linking with the emulsifying agent or the emulsion stabilizer.

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